



GAZI - KABTEM

ADVANCED WELDING LABS

- ✓ Laser welding,
- ✓ Ultrasonic welding
- ✓ Electro-spark welding
- ✓ Stud welding
- ✓ Solid state welding's



www.kabtem.gazi.edu.tr

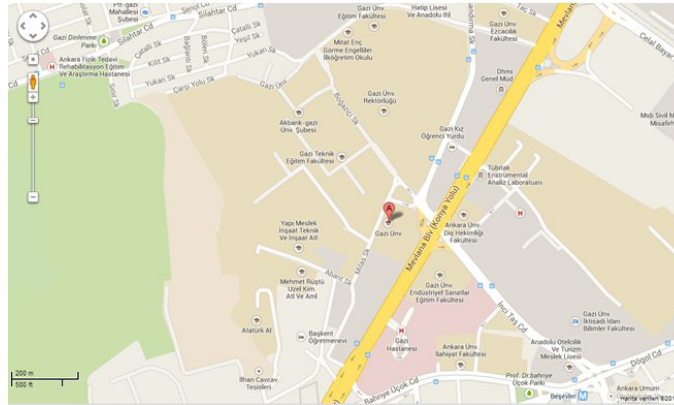


GAZI - KABTEM

GAZI UNINERSITY



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GAZI - KABTEM

GAZI UNIVERSITY

**WELDING AND JOINING TECHNOLOGIES
APPLICATION AND RESEARCH CENTER**



Mechanic and NDT Tests



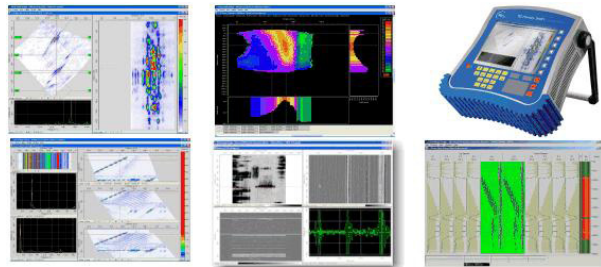
*Welding Engineering, Welding
Training and Certification*

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Gazi University, Welding and Joining Technologies Application and Research Center was established in 2013.

GAZI-KABTEM, was located in Gazi University that provide support qualified personnel to industry. Its laboratories, workshops and lecture halls are in the department of Metallurgical and Materials Engineering in Faculty of Technology. There are well-known experts, academician and other personnel within the KABTEM. Latest model and new designed laboratories, devices and technical equipment's will serve to the industry and academician in both international and national area. Aside from these, the KABTEM will deliver education for welding personnel such as welding engineer, welding technician, specialist, welding inspector and welder. On the other hand, the KABTEM will also deliver training for NDT and destructive tests personnel's



TARGET SECTORS

- ✓ Machine, manufacturing
- ✓ Steel construction
- ✓ Pressure vessel
- ✓ Pipe-lines
- ✓ Welding education
- ✓ Welding research and development

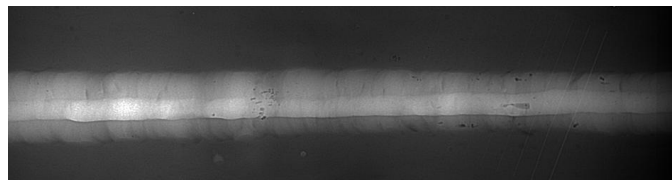
ACTIVITIES

EDUCATION

- . International welding engineer (IWE)
- . Welder training and certification (ISO9606-1, -2, EN287-1, EN1418)
- . NDT personnel
- . DT personnel
- . International welding inspector (IWI)

TESTS

- . Radiographic test reporting
- . Ultrasonography test reporting
- . Magnetic particle test reporting
- . Liquid penetrant test reporting
- . Visual test and reporting



ACTIVITIES

DESTRUCTIVE TESTS

- . Sample preparations
- . Tensile and compression tests
- . Bending tests
- . Impact tests in different temperatures
- . Universal hardness measurements
- . Micro hardness measurements
- . Micro and macro structure characterizations and reporting



CONSULTING SERVICES

INDUSTRIAL CONSULTINGS

- . Welded construction design
- . Welding and joining selections
- . Heat treatments and residual stress
- . Welding engineering
- . Plant installation
- . Engineering Solutions

EDUCATIONAL CONSULTINGS

- . R&D for education and training,
- . Assessment and evaluations, feedback programs